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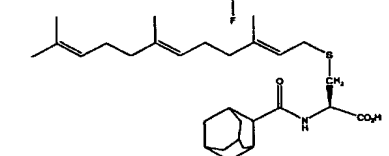
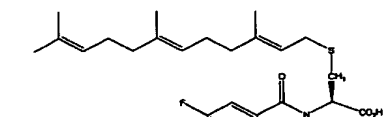
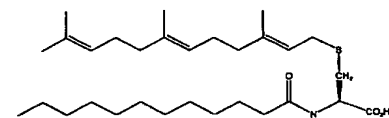
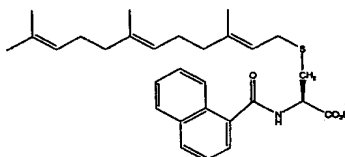
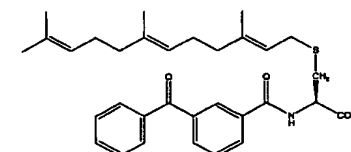
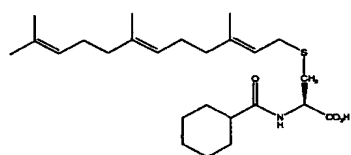
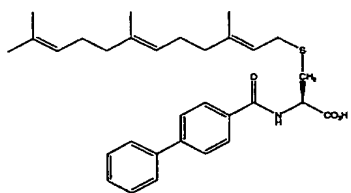
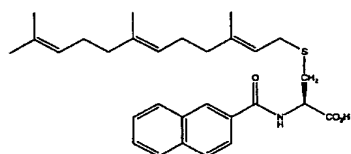
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[Continued on next page]

(54) Title: COMPOUNDS AND METHODS FOR USE IN TREATING NEOPLASIA AND CANCER BASED UPON INHIBITORS OF ISOPRENYLCYSTEINE METHYLTRANSFERASE



(57) Abstract: The present invention relates to a novel method for the treatment of neoplasia, including cancer and other diseases and conditions in humans and mammals. More particularly, in preferred aspects, the present invention provides a method for the use of prenylcycteine analogs for the treatment of neoplasia, hyperproliferative cell growth including psoriasis, restenosis following cardiovascular surgery, hyperplasia, including renal hyperplasia, chronic inflammatory diseases including rheumatoid and osteoarthritis, among others.



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# INTERNATIONAL SEARCH REPORT

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PCT/US04/09506

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07C 229/00

US CL : 560/9, 10, 15, 16, 19, 37, 38, 41, 47, 100, 103, 105.; 562/ 405, 426, 427, 422, 441, 442, 443, 490,

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 560/9, 10, 15, 16, 19, 37, 38, 41, 47, 100, 103, 105.; 562/ 405, 426, 427, 422, 441, 442, 443, 490,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Ma, Yu-Ting et al. Mechanistic Studies on Human Platelet Isoprenylated Protein Methyltransferase:Farnesylcysteine AnalogsBlock Platelet Aggregation without Inhibiting the Methyltransferase, Biochemistry (1994), 33(18), 5414-20 (Abstract), Columbus , OH, USA, Chemical Abstracts [online][retrieved on 13 March 2005], Abstract Number 1994:502712	1-3, 6, 9, 13, 14, 16, 17, 18, 19, 20 and 22
X	Xu, Yajun et al. Inhibition of Captive Ca <sup>2+</sup> Entry into Cells by Farnesylcysteine Analogs, Molecular Pharmacology (1996), 50(6), 1495-1501 (Abstract) Columbus OH, USA Chemical Abstracts [online] [retrieved 15 Mar 2005] Abstract Number 1997:6502.	1-3, 6, 9, 13, 14, 16, 17, 18, 19, 20 and 22
X	Gibbs, Richard et al. An NMR Method for Elucidating the Stereochemistry of Protein Farnesylation, Bioorganic & Medicinal Chemistry Letters (1993), 3(2), 281-4 (Abstract) Columbus, OH, USA Chemical Abstracts [online] [retrieved on 15 March 2005] Abstract Number 1993:409142	1-3, 6, 9, 13, 14, 16, 17, 18, 19, 20 and 22

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☐ See patent family annex.

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